

Ok Jae Koo

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

1,400
citations

257450

24
h-index

361022

35
g-index

69
all docs

69
docs citations

69
times ranked

1702
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of melatonin on in vitro maturation of porcine oocyte and expression of melatonin receptor RNA in cumulus and granulosa cells. <i>Journal of Pineal Research</i> , 2009, 46, 22-28.	7.4	175
2	Generation of red fluorescent protein transgenic dogs. <i>Genesis</i> , 2009, 47, 314-322.	1.6	73
3	Generation and Characterization of Human Heme Oxygenase-1 Transgenic Pigs. <i>PLoS ONE</i> , 2012, 7, e46646.	2.5	60
4	Paradoxical effects of kisspeptin: it enhances oocyte in vitro maturation but has an adverse impact on hatched blastocysts during in vitro culture. <i>Reproduction, Fertility and Development</i> , 2012, 24, 656.	0.4	50
5	Analysis of nuclear reprogramming in cloned miniature pig embryos by expression of Oct-4 and Oct-4 related genes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1419-1428.	2.1	47
6	Quercetin improves the in vitro development of porcine oocytes by decreasing reactive oxygen species levels. <i>Journal of Veterinary Science</i> , 2013, 14, 15.	1.3	45
7	Comparative studies on proliferation, molecular markers and differentiation potential of mesenchymal stem cells from various tissues (adipose, bone marrow, ear skin, abdominal skin, and Tj ETQq1 1 0.784314 rgBT /Overlook Science, 2015, 100, 115-124.	1.9	42
8	Effects of culture conditions and nuclear transfer protocols on blastocyst formation and mRNA expression in pre-implantation porcine embryos. <i>Theriogenology</i> , 2008, 69, 416-425.	2.1	40
9	Developmental competence of porcine oocytes after in vitro maturation and in vitro culture under different oxygen concentrations. <i>Zygote</i> , 2012, 20, 1-8.	1.1	37
10	Multiple sgRNAs with overlapping sequences enhance CRISPR/Cas9-mediated knock-in efficiency. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-9.	7.7	36
11	Dogs cloned from fetal fibroblasts by nuclear transfer. <i>Animal Reproduction Science</i> , 2009, 115, 334-339.	1.5	35
12	Anti-apoptotic effect of insulin-like growth factor (IGF)-I and its receptor in porcine preimplantation embryos derived from in vitro fertilization and somatic cell nuclear transfer. <i>Molecular Reproduction and Development</i> , 2006, 73, 1523-1530.	2.0	33
13	Pmp22 mutant allele-specific siRNA alleviates demyelinating neuropathic phenotype in vivo. <i>Neurobiology of Disease</i> , 2017, 100, 99-107.	4.4	33
14	Efficient genome editing using CRISPR-Cas9 RNP delivery into cabbage protoplasts via electro-transfection. <i>Plant Biotechnology Reports</i> , 2020, 14, 695-702.	1.5	33
15	Electrical activation induces reactive oxygen species in porcine embryos. <i>Theriogenology</i> , 2008, 70, 1111-1118.	2.1	31
16	Temporal effects of Î±-tocopherol and l-ascorbic acid on in vitro fertilized porcine embryo development. <i>Animal Reproduction Science</i> , 2007, 100, 107-117.	1.5	30
17	Production and characterization of soluble human TNFR1-Fc and human HO-1 (HMOX1) transgenic pigs by using the F2A peptide. <i>Transgenic Research</i> , 2014, 23, 407-419.	2.4	30
18	The 9-Cis Retinoic Acid Signaling Pathway and Its Regulation of Prostaglandin-Endoperoxide Synthase 2 During In Vitro Maturation of Pig Cumulus Cell-Oocyte Complexes and Effects on Parthenogenetic Embryo Production1. <i>Biology of Reproduction</i> , 2011, 84, 1272-1281.	2.7	28

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19	Effect of recipient breed on delivery rate of cloned miniature pig. <i>Zygote</i> , 2009, 17, 203-207.	1.1	27
20	Oxamflatin Improves Developmental Competence of Porcine Somatic Cell Nuclear Transfer Embryos. <i>Cellular Reprogramming</i> , 2012, 14, 398-406.	0.9	27
21	Generation of Soluble Human Tumor Necrosis Factor- α Receptor 1-Fc Transgenic Pig. <i>Transplantation</i> , 2011, 92, 139-147.	1.0	25
22	Effect of oocyte-secreted factors on porcine <i>in vitro</i> maturation, cumulus expansion and developmental competence of parthenotes. <i>Zygote</i> , 2012, 20, 135-145.	1.1	25
23	Effects of thiol compounds on <i>in vitro</i> maturation of canine oocytes collected from different reproductive stages. <i>Molecular Reproduction and Development</i> , 2007, 74, 1213-1220.	2.0	24
24	Cell cycle synchronization of canine ear fibroblasts for somatic cell nuclear transfer. <i>Zygote</i> , 2009, 17, 37-43.	1.1	24
25	Influence of oocyte donor and embryo recipient conditions on cloning efficiency in dogs. <i>Theriogenology</i> , 2010, 74, 473-478.	2.1	24
26	Failure to maintain full-term pregnancies in pig carrying <i>klotho</i> monoallelic knockout fetuses. <i>BMC Biotechnology</i> , 2021, 21, 1.	3.3	23
27	Embryotrophic effects of ethylenediaminetetraacetic acid and hemoglobin on <i>in vitro</i> porcine embryos development. <i>Theriogenology</i> , 2006, 66, 449-455.	2.1	21
28	Functional improvement of porcine neonatal pancreatic cell clusters <i>via</i> conformal encapsulation using an air-driven encapsulator. <i>Experimental and Molecular Medicine</i> , 2012, 44, 20.	7.7	20
29	Effect of Roscovitine-treated Donor Cells on Development of Porcine Cloned Embryos. <i>Reproduction in Domestic Animals</i> , 2010, 45, 1082-1088.	1.4	18
30	Effective donor cell fusion conditions for production of cloned dogs by somatic cell nuclear transfer. <i>Theriogenology</i> , 2011, 75, 777-782.	2.1	17
31	Influence of Ovulation Status, Seasonality and Embryo Transfer Method on Development of Cloned Porcine Embryos. <i>Reproduction in Domestic Animals</i> , 2009, 45, 773-8.	1.4	15
32	Epiblast isolation by a new four stage method (peeling) from whole bovine cloned blastocysts. <i>Cell Biology International</i> , 2009, 33, 309-317.	3.0	15
33	Expression Analysis of Combinatorial Genes Using a Bi-Cistronic T2A Expression System in Porcine Fibroblasts. <i>PLoS ONE</i> , 2013, 8, e70486.	2.5	14
34	Effect of Potassium Simplex Optimization Medium and NCSU23 Supplemented with Beta-mercaptoethanol and Amino Acids of <i>In Vitro</i> Fertilized Porcine Embryos. <i>Journal of Reproduction and Development</i> , 2006, 52, 591-599.	1.4	13
35	The effects of brain-derived neurotrophic factor and metformin on <i>in vitro</i> developmental competence of bovine oocytes. <i>Zygote</i> , 2009, 17, 187-193.	1.1	12
36	Different culture conditions used for arresting the G0/G1 phase of the cell cycle in goldfish (<i>Carassius auratus</i>) caudal fin-derived fibroblasts. <i>Cell Biology International</i> , 2009, 33, 65-70.	3.0	12

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37	Blastocysts derived from adult fibroblasts of a rhesus monkey (<i>Macaca mulatta</i>) using interspecies somatic cell nuclear transfer. <i>Zygote</i> , 2011, 19, 199-204.	1.1	12
38	ZNF746/PARIS promotes the occurrence of hepatocellular carcinoma. <i>Biochemical and Biophysical Research Communications</i> , 2021, 563, 98-104.	2.1	12
39	Production of offspring from cloned transgenic RFP female dogs and stable generational transmission of the RFP gene. <i>Genesis</i> , 2011, 49, 835-840.	1.6	11
40	Oct4 overexpression facilitates proliferation of porcine fibroblasts and development of cloned embryos. <i>Zygote</i> , 2015, 23, 704-711.	1.1	11
41	Overexpressed human heme Oxygenase-1 decreases adipogenesis in pigs and porcine adipose-derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 935-940.	2.1	10
42	Production of Transgenic Porcine Embryos Reconstructed with Induced Pluripotent Stem-Like Cells Derived from Porcine Endogenous Factors Using <i>piggyBac</i> System. <i>Cellular Reprogramming</i> , 2019, 21, 26-36.	0.9	10
43	Production of transgenic canine embryos using interspecies somatic cell nuclear transfer. <i>Zygote</i> , 2012, 20, 67-72.	1.1	9
44	Disruption of exogenous eGFP gene using RNA-guided endonuclease in bovine transgenic somatic cells. <i>Zygote</i> , 2015, 23, 916-923.	1.1	9
45	High Homology-Directed Repair Using Mitosis Phase and Nucleus Localizing Signal. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3747.	4.1	9
46	Establishment of glass catfish (<i>Kryptopterus bicirrhis</i>) fin-derived cells. <i>Cell Biology International Reports</i> , 2011, 18, 1-5.	0.6	7
47	<i>In vivo</i> multiplex gene targeting with <i>Streptococcus pyogenes</i> and <i>Campylobacter jejuni</i> Cas9 for pancreatic cancer modeling in wild-type animal. <i>Journal of Veterinary Science</i> , 2020, 21, e26.	1.3	7
48	Generation of genome-edited dogs by somatic cell nuclear transfer. <i>BMC Biotechnology</i> , 2022, 22, .	3.3	7
49	Nuclear-mitochondrial incompatibility in interorder rhesus monkey "cow embryos derived from somatic cell nuclear transfer. <i>Primates</i> , 2016, 57, 471-478.	1.1	6
50	Efficient and specific generation of knockout mice using <i>Campylobacter jejuni</i> CRISPR/Cas9 system. <i>Biochemistry and Biophysics Reports</i> , 2020, 22, 100752.	1.3	6
51	Positive Correlation between nNOS and Stress-Activated Bowel Motility Is Confirmed by In Vivo HiBiT System. <i>Cells</i> , 2021, 10, 1028.	4.1	6
52	Production of porcine cloned embryos derived from cells conditionally expressing an exogenous gene using Cre-loxP. <i>Zygote</i> , 2012, 20, 423-425.	1.1	5
53	Replacement of glutamine with the dipeptide derivative alanyl-glutamine enhances in vitro maturation of porcine oocytes and development of embryos. <i>Zygote</i> , 2014, 22, 286-289.	1.1	5
54	Dimer of arfaptin 2 regulates NF- κ B signaling by interacting with IKK β /NEMO and inhibiting IKK β kinase activity. <i>Cellular Signalling</i> , 2015, 27, 2173-2181.	3.6	5

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55	Production of Mutated Porcine Embryos Using Zinc Finger Nucleases and a Reporter-based Cell Enrichment System. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 324-329.	2.4	5
56	Post-mortem re-cloning of a transgenic red fluorescent protein dog. <i>Journal of Veterinary Science</i> , 2011, 12, 405.	1.3	4
57	Short-term treatment with 6-DMAP and demecolcine improves developmental competence of electrically or Thi/DTT-activated porcine parthenogenetic embryos. <i>Zygote</i> , 2011, 19, 1-8.	1.1	4
58	Optimizing Electrical Activation of Porcine Oocytes by Adjusting Pre- and Post-Activation Mannitol Exposure Times. <i>Reproduction in Domestic Animals</i> , 2014, 49, 995-999.	1.4	4
59	Intrapancreatic ectopic splenic tissue found in a cloned miniature pig. <i>Journal of Veterinary Science</i> , 2015, 16, 241.	1.3	4
60	NME1L Negatively Regulates IGF1-Dependent Proliferation of Breast Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1454-1463.	2.6	4
61	Genetic Dissection of CRISPR-Cas9 Mediated Inheritance of Independently Targeted Alleles in Tobacco β -1,3-Fucosyltransferase 1 and β -1,2-Xylosyltransferase 1 Loci. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2450.	4.1	4
62	Generation of red fluorescent protein transgenic dogs. <i>Genesis</i> , 2009, 47, spcone-spcone.	1.6	2
63	Target-AID-Mediated Multiplex Base Editing in Porcine Fibroblasts. <i>Animals</i> , 2021, 11, 3570.	2.3	2
64	Effect of Dimethyl Sulfoxide on Cell Cycle Synchronization of Goldfish Caudal Fin Derived Fibroblasts Cells. <i>Reproduction in Domestic Animals</i> , 2009, 45, e73-7.	1.4	1
65	Antioxidant Favors the Developmental Competence of Porcine Parthenogenotes by Reducing Reactive Oxygen Species. <i>Asian-Australasian Journal of Animal Sciences</i> , 2007, 20, 334-339.	2.4	1
66	SLA Genetic Polymorphism and Large Scale Gene Expression Profiling of Cloned SNU Miniature Pigs Derived from Same Cell Line. <i>Reproductive & Developmental Biology</i> , 2013, 37, 1-8.	0.1	0